

SCIENCE

And Technology Program



Theme Area: Environmental Resources

Program Area: Pest Management

Project No.: ER00.10

Project Title: Monitoring and Management of Invasive Species - Assessment of Zebra Mussels Impact on Reclamation Facilities

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Abstract: As a consequence of the confirmed zebra mussel sighting at a power plant 15 miles south of Sioux City, Iowa, the Ecological Research and Investigations Group will carry out risk assessments and monitoring at several "at-risk" Reclamation facilities in that area. Water quality and environmental parameters important for zebra mussel survival and establishment will be evaluated at these facilities as a part of the risk assessments. Adult zebra mussel monitoring programs at vulnerable facilities will begin with area office support. Assessments will be carried out at those Reclamation facilities most vulnerable to structural and biological impacts of zebra mussels. In addition, investigations of chemical control methods using a metering system will take place at highly restricted Reclamation facilities. Studies of other invasive animals such as Corbicula and freshwater sponges will be conducted. Biological control of mollusks using triploid black carp will be explored in cooperation with the Central Arizona Project. Information resulting from these studies will be presented through site specific zebra mussel risk assessment and management plans, workshops, brochures, signs, professional conferences, published reports and technical journals.

Related link:
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